

Practitioner's Docket No. 1-23339

PATENT

ASSENT BY ASSIGNEE FOR FILING OF REISSUE APPLICATION

NOTE: The written assent of all assignees, if any, owning an undivided interest in the original patent must be included in the application for reissue. 37 C.F.R. 1.172(a).

This is part of the application for a reissue patent filed herewith based on the original patent identified as follows:

Gregory P. Campau, et al.

Name of Patentee

5,941,608

Patent Number

August 24, 1999

Date Patent Issued

Electronic Brake Management System With Manual Fail Safe

Title of Invention

I am an assignee owning

a undivided interest to the above original patent.
 a _____ % (per cent) interest in the above original patent.

I assent to the filing of Reissue Application No. 09/939,509, filed August 24, 2001, for the reissue of U.S. Patent No. 5,941,608, issued August 24, 1999, and to the subject matter in the Amendment submitted herewith. Attached is a statement under 37 C.F.R. 3.73(b), establishing the right of assignee to take action.

Kelsey-Hayes Company

Name of assignee

Mariann McNally
Signature of person signing for assignee

Date: 9-3-03

Mariann McNally
ASSISTANT SECRETARY
(type or print name and title of person signing for assignee)

STATEMENT UNDER 37 CFR 3.73(b)Applicant/Patent Owner: Gregory P. Campau, et al.Application No./Patent No.: 5,941,608Filed/Issue Date: August 24, 1999

Entitled:

ELECTRONIC BRAKE MANAGEMENT SYSTEM WITH MANUAL FAIL SAFEKelsey-Hayes Company, a Corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government/agency, etc.)

states that it is:

- the assignee of the entire right, title, and interest; or
- an assignee of less than the entire right, title and interest.
The extent (by, percentage) of its ownership interest is _____ %

in the patent application/patent identified above by virtue of either:

A. [] An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

OR

B. [] A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: Mark S. Luckevich To: Kelsey-Hayes Company
The document was recorded in the United States Patent and Trademark Office at Reel 8983, Frame 0590, or for which a copy thereof is attached.
2. From: Gregory P. Campau To: Kelsey-Hayes Company
The document was recorded in the United States Patent and Trademark Office at Reel 8983, Frame 0602, or for which a copy thereof is attached.
3. From: Thomas Weigert To: Kelsey-Hayes Company
The document was recorded in the United States Patent and Trademark Office at Reel 8983, Frame 0938, or for which a copy thereof is attached.

[] Additional documents in the chain of title are listed on a supplemental sheet.

[] Copies of assignments or other documents in the chain of title are attached.

NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

9-3-03

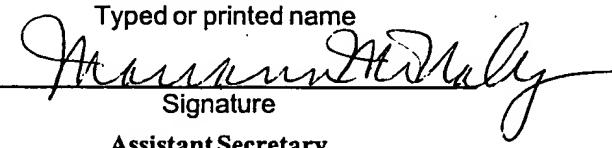
Date

1-734-266-2663

Telephone number

Mariann McNally

Typed or printed name



Signature

Assistant Secretary

Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETE D FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:)
Greg Campau et al.)
)
Patent No.: 5,941,608) Group Art Unit 3683
)
Issue Date: August 24, 1999) Examiner: Christopher P. Schwartz
)
For: ELECTRONIC BRAKE)
MANAGEMENT SYSTEM WITH)
MANUAL FAIL-SAFE) Attorney Docket 1-23339

STATEMENT UNDER 37 CFR 3.73(b)

Section B - Additional Documents in the Chain of Title

A chain of title, continued from the chain of title listed in the attached Statement Under 37 C.F.R. 3.73(b), from the inventor(s), of the patent identified above, to the current assignee as shown below:

4. From: Blaise J. Ganzel To: Kelsey-Hayes Company
The document was recorded in the United States Patent and Trademark Office at
Reel 9169, Frame 0175.

5. From: Salvatore Oliveri, Robert L. Ferger, and Andrew W. Kingston To: Kelsey-Hayes Company
The document was recorded in the United States Patent and Trademark Office at
Reel 9720, Frame 0638.

APR 27 1999



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

LUCKEVICH
By [Signature]

APRIL 20, 1998

PTAS

MACMILLAN, SOBANSKI & TODD
ALLEN W. INKS
ONE MARITIME PLAZA - 4TH FLOOR
720 WATER STREET
TOLEDO, OHIO 43604



100645693A

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, NORTH TOWER BUILDING, SUITE 10C35, WASHINGTON, D.C. 20231.

RECORDATION DATE: 02/20/1998

REEL/FRAME: 8983/0590

NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

LUCKEVICH, MARK S.

DOC DATE: 09/24/1997

ASSIGNEE:

KELSEY-HAYES COMPANY
12000 TECH CENTER DRIVE
LIVONIA, MICHIGAN 48150

SERIAL NUMBER: 08813146

FILING DATE: 03/07/1997

PATENT NUMBER:

ISSUE DATE:

TONYA LEE, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

RE

02-27-1998

1-3440

SHEET

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

Tab settings ▲ ▼

To the Honorable Commissioner of



100645693

RECEIVED
FEB 20 1998
RECEIPT SHEET
RECEIVING DIV

1. Name of conveying party(ies):

Mark S. Luckevich

MRD
2-20-98

2. Name and address of receiving party(ies)

Name: Kelsey-Hayes Company

Internal Address:

Street Address: 12000 Tech Center Drive

City: Livonia State: MI ZIP: 48150

Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance:

Assignment

Merger

Security Agreement

Change of Name

Other _____

Execution Date: September 24, 1997

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s)

08/813,146, filed March 7, 1997

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: MacMillan, Sobanski & Todd

Internal Address:

Street Address: One Maritime Plaza - 4th Floor
720 Water Street

City: Toledo State: Ohio ZIP: 43604

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41).....\$ 40.00

Enclosed

Authorized to be charged to deposit account
Kelsey-Hayes Company

8. Deposit account number:

11-0417

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

02/27/1998 TSH08077 00000098 DAW:110417 08813146
Sale Ref: 00000098 DAW: 110417 08813146

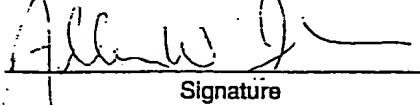
01 FC:581 Statement app'd in nature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Allen W. Inks

Name of Person Signing

Reg. No. 37,358



Signature

February 17, 1998

Date

3

Total number of pages including cover sheet, attachments, and document:

ASSIGNMENT

FOR VALUE RECEIVED

I, MARK S. LUCKEVICH, a citizen of the United States of America, 3400 Pittsview, Ann Arbor, Michigan 48108, hereby sell, assign, transfer and convey unto Kelsey-Hayes Company, a corporation duly organized under the laws of Delaware, its successors, assigns and legal representatives (hereinafter called the "Assignee"), my entire right, title and interest, for the United States and its territorial possessions, and in any and all foreign countries, in and to certain inventions which I have invented together with THOMAS WEIGERT, ANDREW W. KINGSTON, ROBERT L. FERGER, SALVATORE OLIVERI, BLAISE J. GANZEL, and GREGORY P. CAMPAU, relating to an ELECTRONIC BRAKE MANAGEMENT SYSTEM WITH MANUAL FAIL SAFE, as described in:

U.S. provisional application serial no. 60/013,005, filed on March 7, 1996,

U.S. provisional application serial no. 60/018,814, filed on May 31, 1996,

U.S. patent application serial no. 08/813,146, filed on or about

March 7, 1997; and

International application serial no. PCT/US/03509, filed on or about March 7, 1997

and in any patent applications for said inventions, and all divisions, renewals, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues and extensions thereof, and all other lawful forms of protection for said inventions in the United States and its territories, and in any and all foreign countries.

AND I authorize and empower the said Assignee or nominees to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, in the United States and its territories and in any and all foreign countries, the benefit of the right of priority provided by any international convention or agreement including, but not limited to, the Paris Convention for the Protection of Industrial Property, as amended, the Patent Cooperation Treaty, as amended, or by any convention which may henceforth be substituted therefor, and

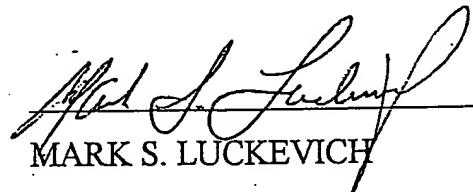
to invoke and claim such right of priority without further written or oral authorization from me.

AND I hereby consent that a copy of this assignment shall be deemed a full and legal formal equivalent of any assignment, consent to file or like document which may be required in the United States or elsewhere for any purpose and more particularly in proof of the right of said Assignee or nominees to claim the aforesaid benefit of the right of priority provided by any international convention or agreement.

AND I hereby covenant that I have the full right to convey my entire right, title and interest herein assigned and that I have not executed and will not execute any agreement in conflict herewith.

AND I hereby covenant and agree that I will communicate to said Assignee or nominees all facts known to us pertaining to said inventions, and reasonably assist in all legal proceedings, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and declarations and in general perform all lawful acts necessary or proper to aid said Assignee or nominees in obtaining, maintaining and enforcing all lawful patent protection and any other lawful form of protection for said inventions in the United States and its territorial possessions and in any and all foreign countries.

IN TESTIMONY HEREOF, I hereunto set my hand.

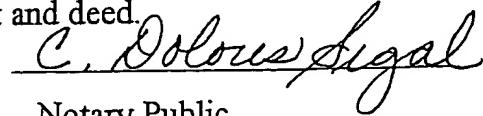


MARK S. LUCKEVICH

STATE OF Michigan : SS.

COUNTY OF Wayne :

On this 24th day of September, 1997 before me appeared MARK S. LUCKEVICH, to me personally known, and acknowledged the signing of the above instrument to be his free act and deed.



C. DOLORES SIGAL

Notary Public

C. DOLORES SIGAL

Notary Public Washtenaw County, MI

APR 27 1998



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

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APRIL 20, 1998

PTAS

MACMILLAN, SOBANSKI & TODD

ALLEN W. INKS

ONE MARITIME PLAZA - 4TH FLOOR
720 WATER STREET
TOLEDO, OH 43604



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UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, NORTH TOWER BUILDING, SUITE 10C35, WASHINGTON, D.C. 20231.

RECORDATION DATE: 02/20/1998

REEL/FRAME: 8983/0602

NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

CAMPAU, GREGORY P.

DOC DATE: 08/29/1997

ASSIGNEE:

KELSEY-HAYES COMPANY
12000 TECH CENTER DRIVE
LIVONIA, MICHIGAN 48150

SERIAL NUMBER: 08813146

FILING DATE: 03/07/1997

PATENT NUMBER:

ISSUE DATE:

MAYA BENNETT, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

FORM PTO-1595
(Rev. 8-8-91)

OMB No. 0651-0011 (exp. 4/94)

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02-27-1998



To the Honorable Commissioner

100645694

COVER SHEET

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

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FEB 20 1998

RECEIVED
AT THE UNITED STATES PATENT AND TRADEMARK OFFICE
REGISTRATION DIVISION

1. Name of conveying party(ies):

MR.

Gregory P. Campau

2-20-98

Additional name(s) of conveying party(ies) attached? Yes No

3. Nature of conveyance:

 Assignment Merger Security Agreement Change of Name Other _____

Execution Date: August 29, 1997

2. Name and address of receiving party(ies)

Name: Kelsey-Hayes Company

Internal Address: _____

Street Address: 12000 Tech Center Drive

City: Livonia State: MI ZIP: 48150

Additional name(s) & address(es) attached? Yes No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s)

08/813,146, filed March 7, 1997

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: MacMillan, Sobanski & Todd

Internal Address: _____

Street Address: One Maritime Plaza - 4th Floor
720 Water Street

City: Toledo State: Ohio ZIP: 43604

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41).....\$ 40.00

 Enclosed Authorized to be charged to deposit account
Kelsey-Hayes Company

8. Deposit account number:

11-0417

(Attach duplicate copy of this page if paying by deposit account)

02/27/1998 JSHABAZZ 00000097 DAB:110417 08813146
Sale Ref: 00000097 DAB: 110417 08813146
11 FC 581 40.00 CH

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Allen W. Inks

Name of Person Signing
Reg. No. 37,358

Signature

February 17, 1998

Date

3

Total number of pages including cover sheet, attachments, and document:

ASSIGNMENT

FOR VALUE RECEIVED

I, GREGORY P. CAMPAU, a citizen of the United States of America, 47881 Thoreau, Plymouth, Michigan 48170, hereby sell, assign, transfer and convey unto Kelsey-Hayes Company, a corporation duly organized under the laws of Delaware, its successors, assigns and legal representatives (hereinafter called the "Assignee"), my entire right, title and interest, for the United States and its territorial possessions, and in any and all foreign countries, in and to certain inventions which I have invented together with THOMAS WEIGERT, ANDREW W. KINGSTON, ROBERT L. FERGER, SALVATORE OLIVERI, BLAISE J. GANZEL, and MARK S. LUCKEVICH, relating to an ELECTRONIC BRAKE MANAGEMENT SYSTEM WITH MANUAL FAIL SAFE, as described in:

U.S. provisional application serial no. 60/013,005, filed on March 7, 1996,

U.S. provisional application serial no. 60/018,814, filed on May 31, 1996,

U.S. patent application serial no. 08/813,146, filed on or about

March 7, 1997; and

International application serial no. PCT/US/03509, filed on or about

March 7, 1997

and in any patent applications for said inventions, and all divisions, renewals, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues and extensions thereof, and all other lawful forms of protection for said inventions in the United States and its territories, and in any and all foreign countries.

AND I authorize and empower the said Assignee or nominees to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, in the United States and its territories and in any and all foreign countries, the benefit of the right of priority provided by any international convention or agreement including, but not limited to, the Paris Convention for the Protection of Industrial Property, as amended, the Patent Cooperation Treaty, as amended or by any convention which may henceforth be substituted therefor, and

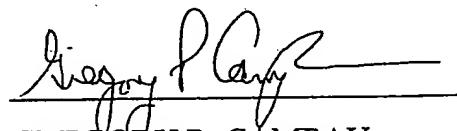
to invoke and claim such right of priority without further written or oral authorization from me.

AND I hereby consent that a copy of this assignment shall be deemed a full and legal formal equivalent of any assignment, consent to file or like document which may be required in the United States or elsewhere for any purpose and more particularly in proof of the right of said Assignee or nominees to claim the aforesaid benefit of the right of priority provided by any international convention or agreement.

AND I hereby covenant that I have the full right to convey my entire right, title and interest herein assigned and that I have not executed and will not execute any agreement in conflict herewith.

AND I hereby covenant and agree that I will communicate to said Assignee or nominees all facts known to us pertaining to said inventions, and reasonably assist in all legal proceedings, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and declarations and in general perform all lawful acts necessary or proper to aid said Assignee or nominees in obtaining, maintaining and enforcing all lawful patent protection and any other lawful form of protection for said inventions in the United States and its territorial possessions and in any and all foreign countries.

IN TESTIMONY HEREOF, I hereunto set my hand.

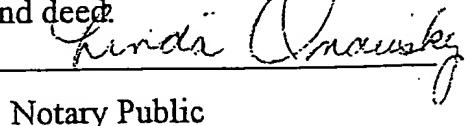


GREGORY P. CAMPAU

STATE OF Michigan :

COUNTY OF Washington SS.

On this 29 day of August, 1997, before me appeared GREGORY P. CAMPAU, to me personally known, and acknowledged the signing of the above instrument to be his free act and deed.



Notary Public

LINDA ONKUSKY

(SEAL)

APR 30 1998



APRIL 20, 1998

PTAS

MACMILLAN, SOBANSKI & TODD
ALLEN W. INKS
ONE MARITIME PLAZA - 4TH FLOOR
720 WATER STREET
TOLEDO, OH 43604

1-3440
UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

DOCKETED
By [Signature] AWI



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RECORDATION DATE: 02/20/1998

REEL/FRAME: 8983/0938
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

WEIGERT, THOMAS

DOC DATE: 06/11/1997

ASSIGNEE:

KELSEY-HAYES COMPANY
12000 TECH CENTER DRIVE
LIVONIA, MICHIGAN 48150

SERIAL NUMBER: 08813146

FILING DATE: 03/07/1997
ISSUE DATE:

MAYA BENNETT, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

Tab settings □ □ □ ▼

RE

02-27-1998



100645696

1-3440

SHEET

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office
FEB 20 1998

RECEIPT RECORDING D

Attached original documents or copy thereof.

1. Name of conveying party(ies):

Thomas Weigert

MFD
2-20-98

2. Name and address of receiving party(ies)

Name: Kelsey-Hayes Company

Internal Address:

Street Address: 12000 Tech Center Drive

City: Livonia State: MI ZIP: 48150

Additional name(s) & address(es) attached? □ Yes No

3. Nature of conveyance:

Assignment Merger

Security Agreement Change of Name

Other _____

Execution Date: June 11, 1997

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s)

08/813,146, filed March 7, 1997

B. Patent No.(s)

Additional numbers attached? □ Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: MacMillan, Sobanski & Todd

Internal Address:

6. Total number of applications and patents involved: 1Street Address: One Maritime Plaza - 4th Floor
720 Water Street

City: Toledo State: Ohio ZIP: 43604

7. Total fee (37 CFR 3.41).....\$ 40.00 Enclosed Authorized to be charged to deposit account
Kelsey-Hayes Company

8. Deposit account number:

11-0417

(Attach duplicate copy of this page if paying by deposit account)

02/27/1998 TSHABAZZ 00000095 DAB:110417 08813146
Sale Ref: 00000095 DAB: 110417 08813146
01 FC:581 40.00 CH

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Allen W. Inks

Name of Person Signing
Reg. No. 37,358

Signature

February 17, 1998

Date

3

Total number of pages including cover sheet, attachments, and document:

ASSIGNMENT

FOR VALUE RECEIVED

I, THOMAS WEIGERT, a citizen of the Federal Republic of Germany, Konigsteiner Strasse 96, D-65812 Bad Soden, Germany, hereby sell, assign, transfer and convey unto Kelsey-Hayes Company, a corporation duly organized under the laws of Delaware, its successors, assigns and legal representatives (hereinafter called the "Assignee"), my entire right, title and interest, for the United States and its territorial possessions, and in any and all foreign countries, in and to certain inventions which I have invented together with GREGORY P. CAMPAU, ANDREW W. KINGSTON, ROBERT L. FERGER, SALVATORE OLIVERI, BLAISE J. GANZEL, and MARK S. LUCKEVICH, relating to an ELECTRONIC BRAKE MANAGEMENT SYSTEM WITH MANUAL FAIL SAFE, as described in:

U.S. provisional application no. 60/013,005, filed on March 7, 1996,

U.S. provisional application no. 60/018,814, filed on May 31, 1996,

U.S. provisional application no. 60/032,595, filed on December 2, 1996,

U.S. patent application no. 08/813,146, filed on March 7, 1997, and

International patent application no. PCT/US97/03509, filed on March 7, 1997, and in any patent applications for said inventions, and all divisions, renewals, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues and extensions thereof, and all other lawful forms of protection for said inventions in the United States and its territories, and in any and all foreign countries.

AND, to comply with 37 CFR 3.21 for recordal of this assignment in the U.S. Patent and Trademark Office, I hereby authorize and request my attorney to insert above the filing application number when it becomes known.

AND I authorize and empower the said Assignee or nominees to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, in the United States and its territories and in any and all foreign countries, the benefit of the right of priority provided by any international convention or agreement including, but not limited to, the Paris Convention for the

amended, or by any convention which may henceforth be substituted therefor, and to invoke and claim such right of priority without further written or oral authorization from me.

AND I hereby consent that a copy of this assignment shall be deemed a full and legal formal equivalent of any assignment, consent to file or like document which may be required in the United States or elsewhere for any purpose and more particularly in proof of the right of said Assignee or nominees to claim the aforesaid benefit of the right of priority provided by any international convention or agreement.

AND I hereby covenant that I have the full right to convey my entire right, title and interest herein assigned and that I have not executed and will not execute any agreement in conflict herewith.

AND I hereby covenant and agree that I will communicate to said Assignee or nominees all facts known to us pertaining to said inventions, and reasonably assist in all legal proceedings, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and declarations and in general perform all lawful acts necessary or proper to aid said Assignee or nominees in obtaining, maintaining and enforcing all lawful patent protection and any other lawful form of protection for said inventions in the United States and its territorial possessions and in any and all foreign countries.

IN TESTIMONY HEREOF, I hereunto set my hand.

Thomas Weigert

THOMAS WEIGERT

DETAILS OF COUNTRY

AND LOCATION OF SIGNING

BAD SODEN

On this 11 day of JUNE, 1953 before me appeared THOMAS WEIGERT, to me personally known, and acknowledged the signing of the above instrument to be his free act and deed.

WITNESS

(signature)

Thomas Weigert

(printed name)



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

JULY 15, 1998

PTAS

MACMILLAN, SOBANSKI & TODD
ALLEN W. INKS
ONE MARTIME PLAZA, 4TH FLOOR
720 WATER STREET
TOLEDO, OH 43604



100715726A

RECORDED
FILED TO A.M./J.V.

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION
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REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE
INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA
PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD
FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY
CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723.
PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE,
ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY,
SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 02/20/1998

REEL/FRAME: 9169/0175
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

GANZEL, BLAISE J.

DOC DATE: 08/27/1997

ASSIGNEE:

KELSEY-HAYES COMPANY
12000 TECH CENTER DRIVE
LIVONIA, MICHIGAN 48150

SERIAL NUMBER: 08813146

FILING DATE: 03/07/1997
ISSUE DATE:

SHARMALLA SIMPSON, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

RECOR

05-19-1998

ET

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Offi

Tab settings □ □ □ □ □

To the Honorable Commissioner of Patents

100715726

J original documents or copy thereof.

1. Name of conveying party(ies):

Blaise J. Ganzel

Additional name(s) of conveying party(ies) attached? Yes No

3. Nature of conveyance:

Assignment

Merger

Security Agreement

Change of Name

Other _____

Execution Date: August 27, 1997

2. Name and address of receiving party(ies)

Name: Kelsey-Hayes Company

Internal Address: _____

Street Address: 12000 Tech Center Drive

City: Livonia State: MI ZIP: 4815

Additional name(s) & address(es) attached? Yes No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s)

08/813,146, filed March 7, 1997

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: MacMillan, Sobanski & Todd

Internal Address: _____

Street Address: One Maritime Plaza, 4th Floor
720 Water Street

City: Toledo State: Ohio ZIP: 43604

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41).....\$ 40.00

Enclosed

Authorized to be charged to deposit account
Kelsey-Hayes Company

8. Deposit account number:

11-0417

(Attach duplicate copy of this page if paying by deposit account)

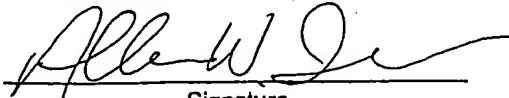
DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Allen W. Inks

Name of Person Signing



Signature

Reg. No. 37,358

Total number of pages including cover sheet, attachments, and document:

5

5 MAY 98

Date

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R

02-27-1998



100645697

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1-3440

1 SHEET

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

FEB 20 1998

1. Name of conveying party(ies):

Blaise J. Ganzel

MRD

2-20-98

Additional name(s) of conveying party(ies) attached? Yes No

3. Nature of conveyance:

Assignment

Merger

Security Agreement

Change of Name

Other _____

Execution Date: August 29, 1998

2. Name and address of receiving party(ies)

Name: Kelsey-Hayes Company

Internal Address: _____

Street Address: 12000 Tech Center Drive

City: Livonia State: MI ZIP: 48150

Additional name(s) & address(es) attached? Yes No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s)

08/813,146, filed March 7, 1997

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: MacMillan, Sobanski & Todd

Internal Address: _____

Street Address: One Maritime Plaza, 4th Floor
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City: Toledo State: Ohio ZIP: 43604

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7. Total fee (37 CFR 3.41).....\$ 40.00

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Kelsey-Hayes Company

8. Deposit account number:

11-0417

(Attach duplicate copy of this page if paying by deposit account)

02/27/98 TCHADAZZ 00000096 DAH: 110417 00013146
Sale Ref: 00000096 DAH: 110417 08813146
01 FC: 381 40.00 CH

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Allen W. Inks

Name of Person Signing
Reg. No. 37,358

Signature

Total number of pages including cover sheet, attachments, and document:

3

February 17, 1998

Date

ASSIGNMENT

FOR VALUE RECEIVED

I, BLAISE J. GANZEL, a citizen of the United States of America, 3317 Alton Ct., Livonia, Michigan 48105, hereby sell, assign, transfer and convey unto Kelsey-Hayes Company, a corporation duly organized under the laws of Delaware, its successors, assigns and legal representatives (hereinafter called the "Assignee"), my entire right, title and interest, for the United States and its territorial possessions, and in any and all foreign countries, in and to certain inventions which I have invented together with THOMAS WEIGERT, ANDREW W. KINGSTON, ROBERT L. FERGER, SALVATORE OLIVERI, GREGORY P. CAMPAU, and MARK S. LUCKEVICH, relating to an ELECTRONIC BRAKE MANAGEMENT SYSTEM WITH MANUAL FAIL SAFE, as described in:

U.S. provisional application serial no. 60/013,005, filed on March 7, 1996,

U.S. provisional application serial no. 60/018,814, filed on May 31, 1996,

U.S. patent application serial no. 08/813,146, filed on or about March 7, 1997; and

International application serial no. PCT/US/03509, filed on or about March 7, 1997

and in any patent applications for said inventions, and all divisions, renewals, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues and extensions thereof, and all other lawful forms of protection for said inventions in the United States and its territories, and in any and all foreign countries.

AND I authorize and empower the said Assignee or nominees to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, in the United States and its territories and in any and all foreign countries, the benefit of the right of priority provided by any international convention or agreement including, but not limited to, the Paris Convention for the Protection of Industrial Property, as amended, the Patent Cooperation Treaty, as amended, or by any convention which may henceforth be substituted therefor, and

to invoke and claim such right of priority without further written or oral authorization from me.

AND I hereby consent that a copy of this assignment shall be deemed a full and legal formal equivalent of any assignment, consent to file or like document which may be required in the United States or elsewhere for any purpose and more particularly in proof of the right of said Assignee or nominees to claim the aforesaid benefit of the right of priority provided by any international convention or agreement.

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IN TESTIMONY HEREOF, I hereunto set my hand.

Blaise J. Ganzel
BLAISE J. GANZEL

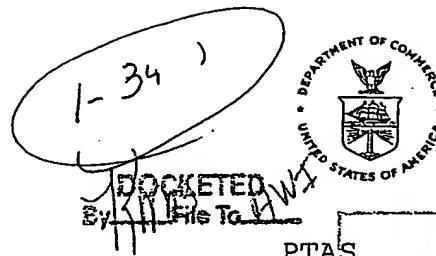
STATE OF Michigan:

COUNTY OF Washington SS.

On this 27 day of August, 1997 before me appeared BLAISE J. GANZEL, to me personally known, and acknowledged the signing of the above instrument to be his free act and deed

Linda Chmelny
Notary Public

APRIL 20, 1998



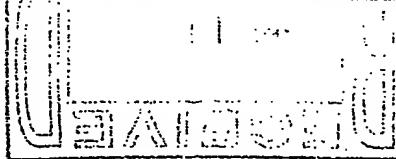
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UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
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APR 23 1998

MACMILLAN, SOBANSKI & TODD
ALLEN W. INKS
ONE MARITIME PLAZA, 4TH FLOOR
720 WATER STREET
TOLEDO, OH 43604



100645697A



UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF NON-RECORDATION OF DOCUMENT

DOCUMENT ID NO.: 100645697

THE ENCLOSED DOCUMENT HAS BEEN EXAMINED AND FOUND NON-RECORDABLE BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. THE REASON(S) FOR NON-RECORDATION ARE STATED BELOW. DOCUMENTS BEING RESUBMITTED FOR RECORDATION MUST BE ACCCOMPANIED BY A NEW COVER SHEET REFLECTING THE CORRECT INFORMATION TO BE RECORDED AND THE DOCUMENT ID NUMBER REFERENCED ABOVE.

THE ORIGINAL DATE OF FILING OF THIS ASSIGNMENT DOCUMENT WILL BE MAINTAINED IF RESUBMITTED WITH THE APPROPRIATE CORRECTION(S) WITHIN 30 DAYS FROM THE DATE OF THIS NOTICE AS OUTLINED UNDER 37 CFR 3.51. THE RESUBMITTED DOCUMENT MUST INCLUDE A STAMP WITH THE OFFICIAL DATE OF RECEIPT UNDER 37 CFR 3. APPPLICANTS MAY USE THE CERTIFIED PROCEDURES UNDER 37 CFR 1.8 OR 1.10 FOR RESUBMISSION OF THE RETURNED PAPERS, IF THEY DESIRE TO HAVE THE BENEFIT OF THE DATE OF DEPOSIT IN THE UNITED STATES POSTAL SERVICE.

SEND DOCUMENTS TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, NORTH TOWER BUILDING, 2800 CRYSTAL DRIVE, WASHINGTON, D.C. 20231. IF YOU HAVE ANY QUESTIONS REGARDING THIS NOTICE, YOU MAY CONTACT THE INDIVIDUAL WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723.

1. THE DOCUMENT SUBMITTED FOR RECORDING IS NOT ACCEPTABLE. THE EXECUTION DATE OF THE ASSIGNMENT DOCUMENT IS AFTER THE PATENT AND TRADEMARK OFFICE MAIL ROOM DATE.

JOANN STEWART, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS



1340
APRIL 10, 2000

UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

PTAS

MACMILLAN, SOBANSKI & TODD, LLC
ALLEN W. INKS
ONE MARITIME PLAZA, FOURTH FLOOR
720 WATER STREET
TOLEDO, OH 43604



101235075A

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

DOCKETED
By *SL* File To *AWT*
KLT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 12/20/1999

REEL/FRAME: 010490/0638

NUMBER OF PAGES: 9

BRIEF: THE ASSIGNMENT DOCUMENT RECORDED AT REEL 9720, FRAME 0419 CONTAIN AN ERROR IN APPLICATION NUMBER 08/013,146 AND IN THE NAME OF THE RECEIVING PARTY; DOCUMENT RE-RECORDED TO CORRECT SAID ERRORS ON STATED REEL.

ASSIGNOR:
OLIVERI, SALVATORE

DOC DATE: 07/15/1997

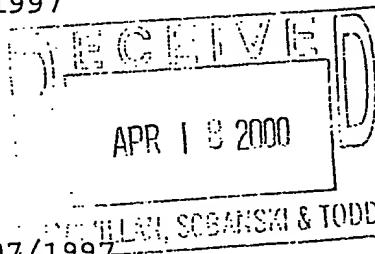
ASSIGNOR:
FERGER, ROBERT L.

DOC DATE: 08/18/1997

ASSIGNOR:
KINGSTON, ANDREW W.

DOC DATE: 08/04/1997

ASSIGNEE:
KELSEY-HAYES COMPANY
12000 TECH CENTER DRIVE
TECH II
LIVONIA, MICHIGAN 48150



SERIAL NUMBER: 08813146
PATENT NUMBER: 5941608

FILING DATE: 03/07/1997
ISSUE DATE: 08/24/1999

010490/0638 PAGE 2

MAYA BENNETT, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231



101235075B

AUTHORIZATION TO CHARGE ADDITIONAL FEES TO DEPOSIT ACCOUNT

APRIL 10, 2000

TO: OFFICE OF FINANCE
FROM: ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS
SUBJECT: DEPOSIT ACCOUNT CHARGE(S)

CHARGE THE DEPOSIT ACCOUNT LISTED BELOW ADDITIONAL FEE(S) AS INDICATED BELOW. AUTHORIZATION TO CHARGE ADDITIONAL FEES HAS BEEN PROVIDED PER THE ATTACHED COVER SHEET, OR BY DIRECT CONTACT WITH THE CUSTOMER.

DEPOSIT ACCOUNT NUMBER: 110417
PROPERTY NUMBER: 08813146

RECORDING FEES:

FEE CODE: 581 AMOUNT: 40

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MAYA BENNETT, EXAMINER
ASSIGNMENT DIVISION
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TRADEMARK SERVICE FEES:	FEE CODE:
RECORDING FIRST MARK	481
RECORDATION SECOND AND	482
SUBSEQUENT MARK IN SAME DOCUMENT	
LABOR CHARGES FOR SERVICES PER HOURS	484
OR FRACTION THEREOF	
UNSPECIFIED OTHER SERVICES	485

PATENT SERVICE FEES:

RECORDING EACH PATENT ASSIGNMENT, 581

AGREEMENT, OTHER PAPER, PER PROPERTY	
LABOR CHARGES FOR SERVICES PER HOUR	584
(\$30) OR FRACTION THEREOF	
UNSPECIFIED OTHER SERVICES	585

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RF

12-30-1999



To the Honorable Commissioner of F

101235075

▼ attached original documents or copy thereof.

1. Name of conveying party(ies):

SALVATORE OLIVERI
ROBERT L. FERGER
ANDREW W. KINGSTONAdditional name(s) of conveying party(ies) attached? Yes No

3. Nature of conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other See Attachment

Execution Date: 7/15/97, 8/18/97, 8/4/97

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s)

08/813,146

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: MacMillan, Sobanski & Todd, LLC

Internal Address: _____

Street Address: One Maritime Plaza, Fourth Floor

720 Water Street

City: Toledo State: OH ZIP: 43604

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41).....\$ 40.00

 Enclosed Authorized to be charged to deposit account

8. Deposit account number:

11-0417

(Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Allen W. Inks, Reg. No. 37,358

Name of Person Signing

Signature

December 10, 1999

Date

10

Total number of pages including cover sheet, attachments, and document:

MacMillan, Sobanski & Todd, LLC
Customer Number 04859

1 Maritime Plaza, 4th Floor
720 Water Street
Toldo, OH 43604
(419) 255-5900

Attorney Docket No. 1-3440

Re: U.S. Patent Application No. 08/813,146 (Now U.S. Patent No. 5,941,608)

NATURE OF CONVEYANCE

Document previously recorded at Reel 9720 Frame 0419 contains errors in property number, 08/013,146, and to correct the name of the receiving party. Document re-recorded to correct errors on stated reel.

02-01-1999



100954039

Patent & Trademark Office

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U.S. DEPARTMENT OF COMMERCE

DEC 14 1998 Patent and Trademark Office

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12-14-98

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

SALVATORE OLIVERI
ROBERT L. FERGER
ANDREW W. KINGSTON

2. Name and address of receiving party(ies):

Name: KELSY-HAYES COMPANY

Address: 12000 Tech Center Drive - Tech II

Additional names(s) of conveying party(ies)

 Yes No

3. Nature of conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other _____

Execution Date: 7/15/97, 8/18/97, 8/4/97

City: Livonia State/Prov.: MI

Country: U.S.A. ZIP: 48150

Additional name(s) & address(es) Yes No

4. Application number(s) or registration numbers(s):

If this document is being filed together with a new application, the execution date of the application is: _____

Patent Application No.

Filing date

B. Patent No.(s)

08/013,146

March 7, 1997

Additional numbers

 Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

6. Total number of applications and patents involved:

Name: MacMillan, Sobanski & Todd, LLC

Registration No. _____

Address: One Maritime Plaza, Fourth Floor

720 Water Street

7. Total fee (37 CFR 3.41): \$ 40.00

Enclosed - Any excess or insufficiency should be credited or debited to deposit account
 Authorized to be charged to deposit account

8. Deposit account number:

11-0417
11-8417

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Allen W. Inks, Registration No. 37,358

December 10, 1998

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and

ASSIGNMENT

FOR VALUE RECEIVED

I, ROBERT L. FERGER, a citizen of the Federal Republic of Germany, Obereschbascher 83A, 61352 bad Homburg, Germany, hereby sell, assign, transfer and convey unto Keisey-Hayes Company, a corporation duly organized under the laws of Delaware, its successors, assigns and legal representatives (hereinafter called the "Assignee"), my entire right, title and interest, for the United States and its territorial possessions, and in any and all foreign countries, in and to certain inventions which I have invented together with GREGORY P. CAMPAU, ANDREW W. KINGSTON, THOMAS WEIGERT, SALVATORE OLIVERI, BLAISE J. GANZEL, and MARK S. LUCKEVICH, relating to an ELECTRONIC BRAKE MANAGEMENT SYSTEM WITH MANUAL FAIL SAFE, as described in:

U.S. provisional application serial no. 60/013,005, filed on March 7, 1996;

U.S. provisional application serial no. 60/018,814, filed on May 31, 1996;

U.S. patent application serial no. 08/013,146, filed on or about March 7, 1997; and

International application no. PCT/US97/03509, filed on or about March 7, 1997;

and in any patent applications for said inventions, and all divisions, renewals, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues and extensions thereof, and all other lawful forms of protection for said inventions in the United States and its territories, and in any and all foreign countries.

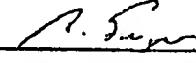
AND I authorize and empower the said Assignee or nominees to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, in the United States and its territories and in any and all foreign countries, the benefit of the right of priority provided by any international convention or agreement including, but not limited to, the Paris Convention for the Protection of Industrial Property, as amended, the Patent Cooperation Treaty, as amended, or by any convention which may henceforth be substituted therefor, and to invoke and claim such right of priority without further written or oral authorization from me.

AND I hereby consent that a copy of this assignment shall be deemed a full and legal formal equivalent of any assignment, consent to file or like document which may be required in the United States or elsewhere for any purpose and more particularly in proof of the right of said Assignee or nominees to claim the aforesaid benefit of the right of priority provided by any international convention or agreement.

AND I hereby covenant that I have the full right to convey my entire right, title and interest herein assigned and that I have not executed and will not execute any agreement in conflict herewith.

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IN TESTIMONY HEREOF, I hereunto set my hand.



ROBERT L. FERGER

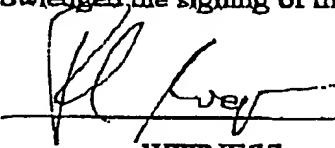
DETAILS OF COUNTRY

Germany

AND LOCATION OF SIGNING

Koblenz

On this 18 day of August, 1997 before me appeared ROBERT L. FERGER, to me personally known, and acknowledged the signing of the above instrument to be his free act and deed.



WITNESS

ASSIGNMENT

FOR VALUE RECEIVED

I, ANDREW W. KINGSTON, a citizen of the United Kingdom, residing at Graben Strasse 37, 55262 Heidesheim, Germany, hereby sell, assign, transfer and convey unto Kelscy-Hayes Company, a corporation duly organized under the laws of Delaware, its successors, assigns and legal representatives (hereinafter called the "Assignee"), my entire right, title and interest, for the United States and its territorial possessions, and in any and all foreign countries, in and to certain inventions which I have invented together with GREGORY P. CAMPAU, ROBERT L. FERGER, THOMAS WEIGERT, SALVATORE OLIVERI, BLAISE J. GANZEL, and MARK S. LUCKEVICH, relating to an ELECTRONIC BRAKE MANAGEMENT SYSTEM WITH MANUAL FAIL SAFE, as described in:

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U.S. provisional application serial no. 60/018,814, filed on May 31, 1996;
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International application no. PCT/US97/03509, filed on or about March 7, 1997;
and in any parent applications for said inventions, and all divisions, renewals, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues and extensions thereof, and all other lawful forms of protection for said inventions in the United States and its territories, and in any and all foreign countries.

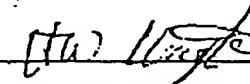
AND I authorize and empower the said Assignee or nominees to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, in the United States and its territories and in any and all foreign countries, the benefit of the right of priority provided by any international convention or agreement including, but not limited to, the Paris Convention for the Protection of Industrial Property, as amended, the Patent Cooperation Treaty, as amended, or by any convention which may henceforth be substituted therefor, and to invoke and claim such right of priority without further written or oral authorization from me.

AND I hereby consent that a copy of this assignment shall be deemed a full and legal formal equivalent of any assignment, consent to file or like document which may be required in the United States or elsewhere for any purpose and more particularly in proof of the right of said Assignee or nominees to claim the aforesaid benefit of the right of priority provided by any international convention or agreement.

AND I hereby covenant that I have the full right to convey my entire right, title and interest herein assigned and that I have not executed and will not execute any agreement in conflict herewith.

AND I hereby covenant and agree that I will communicate to said Assignee or nominees all facts known to us pertaining to said inventions, and reasonably assist in all legal proceedings, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and declarations and in general perform all lawful acts necessary or proper to aid said Assignee or nominees in obtaining, maintaining and enforcing all lawful patent protection and any other lawful form of protection for said inventions in the United States and its territorial possessions and in any and all foreign countries.

IN TESTIMONY HEREOF, I hereunto set my hand.


ANDREW W. KINGSTON

DETAILS OF COUNTRY

Germany

AND LOCATION OF SIGNING

Koblenz

On this 04 day of August, 1997 before me appeared ANDREW W. KINGSTON, to me personally known, and acknowledged the signing of the above instrument to be his free act and deed.


WITNESS

ASSIGNMENT

FOR VALUE RECEIVED

I, SALVATORE OLIVERI, a citizen of the Italy, residing at Markt Strasse 11, 56341 Filsen, Germany, hereby sell, assign, transfer and convey unto Kelsey-Hayes Company, a corporation duly organized under the laws of Delaware, its successors, assigns and legal representatives (hereinafter called the "Assignee"), my entire right, title and interest, for the United States and its territorial possessions, and in any and all foreign countries, in and to certain inventions which I have invented together with GREGORY P. CAMPAU, ANDREW W. KINGSTON, ROBERT L. FERGER, THOMAS WEIGERT, BLAISE J. GANZEL, and MARK S. LUCKEVICH, relating to an ELECTRONIC BRAKE MANAGEMENT SYSTEM WITH MANUAL FAIL SAFE, as described in:

U.S. provisional application serial no. 60/013,005, filed on March 7, 1996;
U.S. provisional application serial no. 60/018,814, filed on May 31, 1996;
U.S. patent application serial no. 08/013,146, filed on or about March 7, 1997; and
International application no. PCT/US97/03509, filed on or about March 7, 1997;
and in any patent applications for said inventions, and all divisions, renewals, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues and extensions thereof, and all other lawful forms of protection for said inventions in the United States and its territories, and in any and all foreign countries.

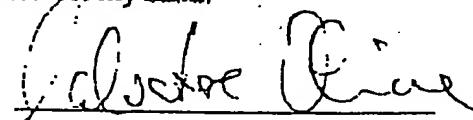
AND I authorize and empower the said Assignee or nominees to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, in the United States and its territories and in any and all foreign countries, the benefit of the right of priority provided by any international convention or agreement including, but not limited to, the Paris Convention for the Protection of Industrial Property, as amended, the Patent Cooperation Treaty, as amended, or by any convention which may henceforth be substituted therefor, and to invoke and claim such right of priority without further written or oral authorization from me.

AND I hereby consent that a copy of this assignment shall be deemed a full and legal formal equivalent of any assignment, consent to file or like document which may be required in the United States or elsewhere for any purpose and more particularly in proof of the right of said Assignee or nominees to claim the aforesaid benefit of the right of priority provided by any international convention or agreement.

AND I hereby covenant that I have the full right to convey my entire right, title and interest herein assigned and that I have not executed and will not execute any agreement in conflict herewith.

AND I hereby covenant and agree that I will communicate to said Assignee or nominees all facts known to us pertaining to said inventions, and reasonably assist in all legal proceedings, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and declarations and in general perform all lawful acts necessary or proper to aid said Assignee or nominees in obtaining, maintaining and enforcing all lawful patent protection and any other lawful form of protection for said inventions in the United States and its territorial possessions and in any and all foreign countries.

IN TESTIMONY HEREOF, I hereunto set my hand.



SALVATORE OLIVERI

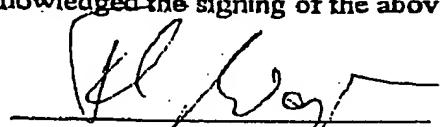
DETAILS OF COUNTRY

Koblenz

AND LOCATION OF SIGNING

Carl Spiecker Str. 8

On this 15 day of Jul, 1990 before me appeared SALVATORE OLIVERI, to me personally known, and acknowledged the signing of the above instrument to be his free act and deed.



WITNESS

RECORDATION FORM COVER SHEET

PATENTS ONLY

Tab settings □ □ □ □ □

COPY

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

SALVATORE OLIVERI
ROBERT L. FERGER
ANDREW W. KINGSTONAdditional name(s) of conveying party(ies) attached? Yes No

3. Nature of conveyance:

<input type="checkbox"/> Assignment	<input type="checkbox"/> Merger
<input type="checkbox"/> Security Agreement	<input type="checkbox"/> Change of Name
<input checked="" type="checkbox"/> Other <u>See Attachment</u>	

Execution Date: 7/15/97, 8/18/97, 8/4/97

2. Name and address of receiving party(ies)

Name: KELSEY-HAYES COMPANY

Internal Address: _____

Street Address: 12000 Tech Center Drive -
Tech IICity: Livonia State: MI ZIP 48150Additional name(s) & address(es) attached? Yes No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s)

08/813,146

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: MacMillan, Sobanski & Todd, LLC

Internal Address: _____

6. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41).....\$ 40.00 Enclosed Authorized to be charged to deposit account

8. Deposit account number:

11-0417

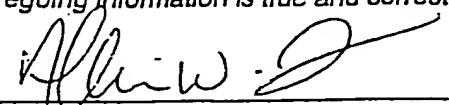
(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Allen W. Inks, Reg. No. 37,358



Name of Person Signing

Signature

December 10, 1999

Date

10

Total number of pages including cover sheet, attachments, and document: